

Converting Colors

CIELCh(53, 63.651, 55.831)

Have a look what the booklet for
CIELCh(53, 63.651, 55.831) contains.

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Color

CIELCh(53, 63.884, 55.934)

Conversions

Conversions Part 1

Format	Color
Hex	C76320
RGB	199, 99, 32
RGB Percent	78%, 39%, 13%
CMY	0.2212, 0.6131, 0.8759
CMYK	0.00, 0.50, 0.84, 0.22
HSL	24°, 73%, 45%
HSV	24°, 84%, 78%
XYZ	28.1279, 21.0462, 3.9208
YIQ	121.2620, 81.1070, 0.3630

Conversions

Conversions Part 2

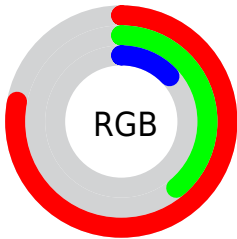
Format	Color
RYB	199, 144, 32
Decimal	13067040
CIELab	53.00, 35.78, 52.92
CIElCh	53, 63.884, 55.934
Yxy	21.0462, 0.5298, 0.3964
Android (android.graphics.Color)	4291257120 (0xFFC76320)
YUV	121.2620, -44.0062, 68.1762
Hunter-Lab	45.8761, 29.1598, 27.0460

Details

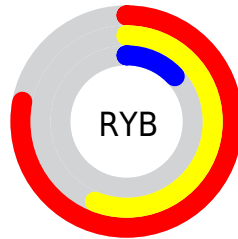
The CIELCh color **53, 63.884, 55.934** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **53, 42.666, 265.083**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 61.465, 57.049**, and **33, 57.581, 51.203** is the 20% darker color. If you saturate the color by 10%, you get **51, 70.748, 54.213**, and if you desaturate by 10%, it is **56, 55.671, 57.076**.

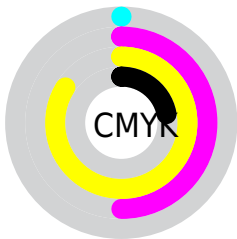
Distribution



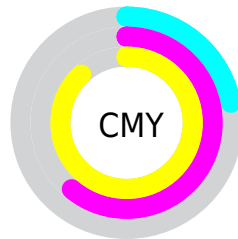
- Red (78%)
- Green (39%)
- Blue (13%)



- Red (78%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (50%)
- Yellow (84%)
- Black (22%)



- Cyan (22%)
- Magenta (61%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 63.884, 55.934 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 53, 63.884, 55.934 by changing the saturation by 10% instead.

53, 63.884, 55.934

53, 63.884, 55.934

100, 63.884,
55.934

43, 63.884, 55.934

73, 63.884, 55.934

33, 63.884, 55.934

83, 63.884, 55.934

23, 63.884, 55.934

93, 63.884, 55.934

13, 63.884, 55.934

3, 63.884, 55.934

0, 63.884, 55.934

53, 63.884, 55.934

53, 63.884, 55.934

51, 70.748, 54.213

56, 55.671, 57.076

49, 74.201, 53.039

59, 47.076, 57.991

62, 38.609, 58.856

65, 30.497, 59.741

68, 22.827, 60.665

72, 15.614, 61.624

75, 8.842, 62.599

79, 2.475, 63.483

82, 3.524, 244.803

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53, 63.884, 55.934



53, 42.666, 265.083

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53, 63.884, 55.934



53, 63.884, 105.934



53, 63.884, 235.934



53, 63.884, 285.934

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53, 63.882, 55.937



89, 19.954, 61.497



45, 70.192, 348.797



46, 13.771, 61.153



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 63.882, 55.937



62, 90.010, 52.459



73, 70.687, 97.228



40, 3.517, 63.046



41, 63.853, 53.604



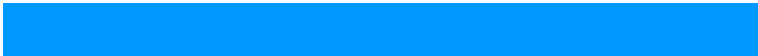
6, 13.114, 46.669

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53, 42.666, 265.083



62, 60.055, 273.628



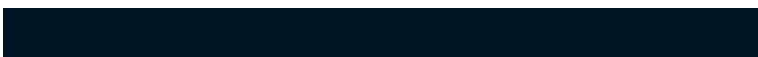
31, 92.057, 301.957



40, 3.391, 245.191



40, 42.003, 272.036



6, 12.505, 259.965

Previews

White Background



This preview shows how the CIELCh color 53, 63.884, 55.934 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 53, 63.884, 55.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 63.884, 55.934

Background



This preview shows how black text looks on a background with the CIELCh color 53, 63.884, 55.934.



This preview shows how white text looks on a background with the CIELCh color 53, 63.884, 55.934.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53, 63.884, 55.934

Protanopia

53, 47.722, 95.571

Deuteranopia

53, 55.021, 83.361



Tritanopia
53, 47.257, 21.415

Trichromacy



Original Color
53, 63.884, 55.934

Protanomaly
53, 50.134, 77.892

Deuteranomaly
53, 56.545, 72.125

Tritanomaly
53, 51.155, 37.197

Monochromacy



Original Color
53, 63.884, 55.934

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 21.721, 60.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 63.884, 55.934 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 99, 32)` looks like.

```
.text, #text, p{  
    color:rgb(199, 99, 32)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 99, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 99, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 63.884, 55.934 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 99, 32) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 99, 32) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 99, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 99, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 99, 32);  
box-shadow:4px 4px 4px 4px rgb(199, 99,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 63.884, 55.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 99, 32) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199, 99,  
32) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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